

Notice of Allowability	Application No.	Applicant(s)	
	10/618,462	YIN ET AL.	
	Examiner	Art Unit	
	Patricia T. Nguyen	2817	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to amendment filed 4/25/06.
2. The allowed claim(s) is/are 30-58.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____

DETAILED ACTION

Allowable Subject Matter

Claims 30-58 are allowed.

The following is an examiner's statement of reasons for allowance: prior art does not teach nor render obvious an amplifier stage that has, in combination with other limitations, a first output impedance having positive and negative ends wherein the negative end of the first output impedance is coupled to the drain of the first differential transistor and wherein the first output impedance includes a first shunt peaking inductor, a second output impedance having positive and negative ends wherein the negative end of the second output impedance is coupled to the drain of the second differential transistor and wherein the second output impedance includes a second shunt peaking inductor; neither does it have a first series peaking inductor having positive and negative ends, wherein the negative end of the first series peaking inductor is coupled to the gate of the first differential transistor; a second series peaking inductor having positive and negative ends, wherein the negative end of the second series peaking inductor is coupled to the gate of the second differential transistor; nor does it have a first shunt peaking inductor having positive and negative ends, wherein the negative end of the first shunt peaking inductor is coupled to the positive end of the first output resistor; a second shunt peaking inductor having positive and negative ends, wherein the negative end of the second shunt peaking inductor is coupled to the positive end of the second output resistor; nor does it have a multi-stage differential amplifier that has, in combination with other limitations, the first amplifier stage includes a first pair of

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series peaking inductors, a first pair of shunt peaking inductors, and a first pair of miller capacitance cancellation capacitors; and wherein the second amplifier stage includes a second pair of series peaking inductors and a second pair of shunt peaking inductors.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia T. Nguyen whose telephone number is (571) 272-1768. The examiner can normally be reached on 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PTN

Patricia Nguyen

May 3, 2006

PATRICIA NGUYEN
PRIMARY EXAMINER